

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|------------------|
| L1 | 1031 | ((ryuji with kondo) or (tetsuo with yamada)).in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/09 17:08 |
| L2 | 134 | ((ryuji with kondo) or (tetsuo with yamada)).in. and sensor | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/09 17:10 |
| L3 | 10 | ((ryuji with kondo) or (tetsuo with yamada)).in. and interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/09 17:10 |
| L4 | 127 | 348/315.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/06/09 17:11 |
| L5 | 127 | 348/315.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/09 17:11 |
| L7 | 280 | 348/272.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/06/09 17:12 |
| L8 | 81 | 348/275.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/06/09 17:12 |
| L9 | 686 | 348/294.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/06/09 17:12 |
| L10 | 81 | 348/275.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/09 17:12 |

EAST Search History

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|-----|------|--|---|----|----|------------------|
| L11 | 48 | 348/277.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/09 17:12 |
| L12 | 349 | 348/273.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/09 17:13 |
| L13 | 158 | 348/280.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/09 17:13 |
| L14 | 9 | (photo\$1sens\$4 or photo\$1detect\$4 or detect\$45 or sens\$4) and pixel with hexagon\$4 with layout | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/09 17:13 |
| L15 | 3949 | pixel with (shift\$4 or pitch or diagonal) with array | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/09 17:13 |
| L16 | 80 | (photo\$1sens\$4 or photo\$1detect\$4 or detect\$45 or sens\$4 or imager) and pixel with (shift\$4 or triangular or (half adj pitch\$4) or (shift\$3pixel)) with layout | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/09 17:13 |
| L17 | 8 | lattice same pixel and interstitial and interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/09 17:14 |
| L18 | 83 | (photo\$1sens\$4 or photo\$1detect\$4 or detect\$45 or sens\$4) and pixel with alternat\$4 with layout | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/09 17:23 |
| L19 | 0 | ((sensor or imager or ccd) same pixels same shift near\$4 lay\$1out same (interpolat\$4 or calculat\$4) with color same interstitial).clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/09 17:25 |

EAST Search History

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|-----|----|--|---|----|-----|------------------|
| L20 | 0 | ((sensor or imager or ccd) same pixels same shift near4 lay\$1out same (interpolat\$4 or calculat\$4) with color).clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/09 17:25 |
| S1 | 27 | (photo\$1sens\$4 or photo\$1detect\$4 or detect\$45 or sens\$4) and pixel with shift with layout | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/07 13:02 |
| S2 | 35 | (photo\$1sens\$4 or photo\$1detect\$4 or detect\$45 or sens\$4) and pixel with alternat\$4 with layout | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/06/09 17:14 |
| S3 | 4 | (photo\$1sens\$4 or photo\$1detect\$4 or detect\$45 or sens\$4) and pixel with hexagon\$4 with layout | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/06/09 17:13 |
| S4 | 1 | "5818052".PN. | USPAT; USOCR | OR | OFF | 2004/11/18 16:00 |
| S5 | 1 | "5759078".PN. | USPAT; USOCR | OR | OFF | 2004/11/18 16:00 |
| S6 | 1 | "5744826".PN. | USPAT; USOCR | OR | OFF | 2004/11/18 16:00 |
| S7 | 1 | "5311337".PN. | USPAT; USOCR | OR | OFF | 2004/11/18 16:01 |
| S8 | 1 | "5032718".PN. | USPAT; USOCR | OR | OFF | 2004/11/18 16:01 |
| S9 | 1 | "4667092".PN. | USPAT; USOCR | OR | OFF | 2004/11/18 16:01 |
| S10 | 5 | "6252218" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/18 16:06 |
| S11 | 19 | (photo\$1sens\$4 or photo\$1detect\$4 or detect\$45 or sens\$4) and pixel with shifted with layout | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/18 16:29 |
| S12 | 1 | "6236434".PN. | USPAT; USOCR | OR | OFF | 2004/11/18 16:08 |
| S13 | 1 | "5340766".PN. | USPAT; USOCR | OR | OFF | 2004/11/18 16:09 |
| S14 | 1 | "4884143".PN. | USPAT; USOCR | OR | OFF | 2004/11/18 16:09 |

EAST Search History

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|-----|-----|---------------|---|----|-----|------------------|
| S15 | 8 | "4884143" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/18 16:47 |
| S16 | 1 | "4558365".PN. | USPAT; USOCR | OR | OFF | 2004/11/18 16:30 |
| S17 | 1 | "6236434".PN. | USPAT; USOCR | OR | OFF | 2004/11/18 16:31 |
| S18 | 1 | "5608455".PN. | USPAT; USOCR | OR | OFF | 2004/11/18 16:31 |
| S19 | 1 | "5528291".PN. | USPAT; USOCR | OR | OFF | 2004/11/18 16:31 |
| S20 | 1 | "5376967".PN. | USPAT; USOCR | OR | OFF | 2004/11/18 16:31 |
| S21 | 1 | "5306906".PN. | USPAT; USOCR | OR | OFF | 2004/11/18 16:31 |
| S22 | 1 | "5528291".PN. | USPAT; USOCR | OR | OFF | 2004/11/18 16:37 |
| S23 | 1 | "5306906".PN. | USPAT; USOCR | OR | OFF | 2004/11/18 16:37 |
| S24 | 1 | "5210613".PN. | USPAT; USOCR | OR | OFF | 2004/11/18 16:37 |
| S25 | 1 | "4602289".PN. | USPAT; USOCR | OR | OFF | 2004/11/18 16:38 |
| S26 | 112 | 348/315.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/18 17:00 |
| S27 | 2 | "6522356" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/18 17:15 |
| S28 | 1 | "5847758".PN. | USPAT; USOCR | OR | OFF | 2004/11/18 17:03 |
| S29 | 1 | "5805217".PN. | USPAT; USOCR | OR | OFF | 2004/11/18 17:03 |
| S30 | 1 | "5737017".PN. | USPAT; USOCR | OR | OFF | 2004/11/18 17:04 |
| S31 | 1 | "5737017".PN. | USPAT; USOCR | OR | OFF | 2004/11/18 17:04 |
| S32 | 1 | "5519668".PN. | USPAT; USOCR | OR | OFF | 2004/11/18 17:04 |

EAST Search History

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|-----|-----|---------------------------------|---|----|-----|------------------|
| S33 | 1 | "5155584".PN. | USPAT; USOCR | OR | OFF | 2004/11/18 17:04 |
| S34 | 1 | "5155584".PN. | USPAT; USOCR | OR | OFF | 2004/11/18 17:15 |
| S35 | 1 | "5099317".PN. | USPAT; USOCR | OR | OFF | 2004/11/18 17:05 |
| S36 | 1 | "5319451".PN. | USPAT; USOCR | OR | OFF | 2004/11/18 17:11 |
| S37 | 1 | "5099317".PN. | USPAT; USOCR | OR | OFF | 2004/11/18 17:11 |
| S38 | 1 | "5018006".PN. | USPAT; USOCR | OR | OFF | 2004/11/18 17:12 |
| S39 | 1 | "4791307".PN. | USPAT; USOCR | OR | OFF | 2004/11/18 17:12 |
| S40 | 1 | "4602289".PN. | USPAT; USOCR | OR | OFF | 2004/11/18 17:12 |
| S42 | 111 | 348/272.ccls. | USPAT; USOCR | OR | OFF | 2004/11/18 17:16 |
| S43 | 22 | 348/272.ccls. and pitch\$4 | USPAT; USOCR | OR | OFF | 2005/12/08 13:49 |
| S44 | 111 | 348/272.ccls. | USPAT; USOCR | OR | OFF | 2004/11/18 17:31 |
| S45 | 40 | 348/272.ccls. and interpolat\$4 | USPAT; USOCR | OR | OFF | 2004/11/18 17:32 |
| S46 | 202 | 348/272.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/19 10:33 |
| S47 | 94 | 348/272.ccls. and interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/19 10:33 |
| S48 | 16 | "4558365" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/19 10:53 |
| S49 | 2 | "6414343" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/19 10:51 |

EAST Search History

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|-----|-----|---------------------------------|---|----|-----|------------------|
| S50 | 8 | "4884143" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/19 10:56 |
| S51 | 2 | "6573935" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/19 11:00 |
| S52 | 14 | "5099317" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/19 11:06 |
| S53 | 16 | "5306906" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/19 12:32 |
| S54 | 1 | "5818052".PN. | USPAT; USOCR | OR | OFF | 2004/11/19 11:09 |
| S55 | 1 | "5759078".PN. | USPAT; USOCR | OR | OFF | 2004/11/19 11:10 |
| S56 | 62 | 348/275.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/06/09 17:12 |
| S57 | 42 | 348/277.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/19 13:10 |
| S58 | 488 | 348/294.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/06/09 17:12 |
| S59 | 31 | 348/294.ccls. and interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/19 13:14 |
| S60 | 11 | 348/315.ccls. and interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/22 10:57 |

EAST Search History

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|-----|------|--|---|----|-----|------------------|
| S62 | 51 | (photo\$1sens\$4 or photo\$1detect\$4 or detect\$4 or sens\$4) and pixel with (shift\$3 or ptich\$3 or diagonal) with layout | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/19 13:21 |
| S63 | 11 | (photo\$1sens\$4 or photo\$1detect\$4 or detect\$4 or sens\$4) and pixel with (shift\$3 or ptich\$3 or diagonal) with layout and interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/19 13:55 |
| S64 | 3003 | pixel with (shift\$4 or pitch or diagonal) with array | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/09 17:13 |
| S65 | 378 | pixel with (shift\$4 or pitch or diagonal) with array and interpolation | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/19 13:58 |
| S66 | 13 | pixel with (shift or pitch or diagonal) with layout and interpolation | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/19 14:01 |
| S67 | 172 | pixel with (pitch or diagonal) with array and interpolation | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/19 14:01 |
| S69 | 3 | "5592575" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/20 13:30 |
| S70 | 1 | "5442717".PN. | USPAT; USOCR | OR | OFF | 2004/11/20 13:30 |
| S71 | 1 | "5335097".PN. | USPAT; USOCR | OR | OFF | 2004/11/20 13:30 |
| S72 | 1 | "5258859".PN. | USPAT; USOCR | OR | OFF | 2004/11/20 13:30 |
| S73 | 1 | "5227863".PN. | USPAT; USOCR | OR | OFF | 2004/11/20 13:30 |
| S74 | 1 | "5122873".PN. | USPAT; USOCR | OR | OFF | 2004/11/20 13:30 |
| S75 | 1 | "4839719".PN. | USPAT; USOCR | OR | OFF | 2004/11/20 13:31 |

EAST Search History

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|-----|-----|--|---|----|-----|------------------|
| S76 | 2 | "20020085103" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/22 10:37 |
| S77 | 266 | camera and second adj interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/22 10:37 |
| S78 | 1 | 348/315.ccls. and second adj interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/06/09 17:11 |
| S79 | 8 | 348/272.ccls. and second adj interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/06/09 17:11 |
| S80 | 0 | 348/275.ccls. and second adj interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/22 10:59 |
| S81 | 1 | 348/294.ccls. and second adj interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/23 10:20 |
| S84 | 425 | (photo\$1sens\$4 or photo\$1detect\$4 or detect\$45 or sens\$4) and pixel and second adj interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/22 14:36 |
| S85 | 2 | "6522356" and green and red and blue | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/22 15:25 |
| S86 | 1 | "6522356" and green and red and blue and "(g)" and "(r)" and "(b)" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/22 15:26 |
| S87 | 2 | "20020067496" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/22 17:24 |

EAST Search History

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|----------|------|--|---|----|-----|------------------|
| S88 | 465 | "50243" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/22 17:24 |
| S89 | 1 | "50243" and camera and printer | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/22 17:25 |
| S90 | 2 | "9750243" and camera and printer | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/22 18:12 |
| S92 | 3978 | pixel and cyan with green with yellow | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/22 18:19 |
| S93 | 181 | pixel and cyan with green with yellow with array | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/22 18:40 |
| S94 | 1 | "5948487".PN. | USPAT; USOCR | OR | OFF | 2004/11/22 18:31 |
| S95 | 1 | "5929474".PN. | USPAT; USOCR | OR | OFF | 2004/11/22 18:31 |
| S96 | 1 | "5614740".PN. | USPAT; USOCR | OR | OFF | 2004/11/22 18:31 |
| S97 | 1 | "5306906".PN. | USPAT; USOCR | OR | OFF | 2004/11/22 18:31 |
| S98 | 1 | "5238864".PN. | USPAT; USOCR | OR | OFF | 2004/11/22 18:32 |
| S99 | 15 | "5280347" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/23 09:30 |
| S10 3 | 10 | complimentary with color with advantage\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/23 09:32 |

EAST Search History

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|----------|------|---|---|----|-----|------------------|
| S10 4 | 26 | complimentary with color same advantage\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/23 09:32 |
| S10 5 | 275 | "348"/\$.ccls. and second adj interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/23 10:20 |
| S10 8 | 1 | "5221966".PN. | USPAT; USOCR | OR | OFF | 2004/11/23 10:58 |
| S10 9 | 1 | "5159437".PN. | USPAT; USOCR | OR | OFF | 2004/11/23 10:58 |
| S11 0 | 1 | "4667222".PN. | USPAT; USOCR | OR | OFF | 2004/11/23 10:59 |
| S11 1 | 1 | "4335395".PN. | USPAT; USOCR | OR | OFF | 2004/11/23 10:59 |
| S11 7 | 99 | output with half with number with pixel | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/23 15:47 |
| S11 8 | 201 | output with half with number with pixel | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/24 18:05 |
| S11 9 | 0 | interpoilat\$4 same pixel same interstitial | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/24 10:43 |
| S12 0 | 217 | pixel same interstitial | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/24 10:43 |
| S12 1 | 62 | pixel same interstitial same (interpolat\$4 or generat\$4 or calculat\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/24 10:48 |
| S12 2 | 1420 | interpolat\$4 and intersti\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/24 10:48 |

EAST Search History

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|----------|-----|--|---|----|----|------------------|
| S12 3 | 76 | interpolat\$4 and intersti\$5 same pixel | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/24 10:49 |
| S12 4 | 0 | square with lattice same pixel and interstitial | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/24 10:49 |
| S12 5 | 0 | square with lattice same pixel and interstitial and interpolation | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/24 10:49 |
| S12 6 | 0 | square with lattice same pixel and interstitial and interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/24 10:49 |
| S12 7 | 8 | lattice same pixel and interstitial and interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/09 17:14 |
| S12 8 | 102 | interstitial same interpolation | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/24 10:58 |
| S12 9 | 72 | 348/275.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/09 17:12 |
| S13 0 | 7 | "5280347".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/24 11:38 |
| S13 1 | 1 | "5280347".pn. and interpolat\$4 and red and green and blue and pixel | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/24 11:49 |
| S13 2 | 1 | "5581357".pn. and interpol\$4 and red and green and blue | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/24 12:20 |

EAST Search History

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|----------|------|---|---|----|----|------------------|
| S13 3 | 1 | "6882364" and interpolat\$4 and red and green and blue | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/24 13:50 |
| S13 4 | 2318 | interpolat\$4 and two near2 pixel and three near2 pixel | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/24 13:51 |
| S13 5 | 366 | interpolat\$4 same two near2 pixel and interpolat\$4 same three near2 pixel | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/24 13:58 |
| S13 6 | 40 | interpolat\$4 same two near2 pixel and interpolat\$4 same three near2 pixel and ((square near2 lattice) or lattice or (pixel adj2 shift)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/24 14:16 |
| S13 7 | 0 | 10-285126 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/24 14:16 |
| S13 8 | 16 | "285126" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/24 14:17 |
| S13 9 | 3 | "6882364" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/24 14:46 |
| S14 0 | 4 | 2000-184386 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/24 14:46 |
| S14 1 | 2 | "2000184386" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/24 14:46 |
| S14 2 | 1 | 2002-125099 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/24 18:10 |

EAST Search History

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|----------|-----|---|---|----|-----|------------------|
| S14 3 | 2 | "2002125099" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/24 18:13 |
| S14 4 | 0 | 04-314258 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/24 18:14 |
| S14 5 | 3 | "04314258" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/24 18:23 |
| S14 6 | 32 | hitachi.as. and (mogi with akira).in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/24 18:23 |
| S14 7 | 86 | (mogi with akira).in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/24 18:42 |
| S14 8 | 6 | "6081613" and objects | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/24 18:43 |
| S14 9 | 16 | conveyor with camera and (plurality or multiple) with (objects or components) with (captured or photograph\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/24 18:46 |
| S15 0 | 156 | conveyor with camera and (plurality or multiple) with (objects or components) with area | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/24 18:50 |
| S15 1 | 7 | camera and select\$4 with (section or device) with area with sens\$4 same (plurality or multiple) near3 (object or component) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/09 17:14 |
| S15 2 | 35 | (photo\$1sens\$4 or photo\$1detect\$4 or detect\$45 or sens\$4) and pixel with shift with layout | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/07 13:03 |

EAST Search History

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|----------|----|---|---|----|-----|------------------|
| S15 3 | 36 | (photo\$1sens\$4 or photo\$1detect\$4 or detect\$45 or sens\$4 or imager) and pixel with shift with layout | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/07 13:07 |
| S15 4 | 56 | (photo\$1sens\$4 or photo\$1detect\$4 or detect\$45 or sens\$4 or imager) and pixel with (shift or triangular or (half adj pitch\$4)) with layout | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/07 13:16 |
| S15 5 | 12 | S154 and interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/07 13:08 |
| S15 6 | 67 | (photo\$1sens\$4 or photo\$1detect\$4 or detect\$45 or sens\$4 or imager) and pixel with (shift\$4 or triangular or (half adj pitch\$4) or (shift\$3pixel)) with layout | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/09 17:13 |
| S15 7 | 13 | S156 and interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/07 13:20 |
| S15 8 | 0 | "6882364.pn" and interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/07 13:33 |
| S15 9 | 0 | "6882364.pn" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/07 13:32 |
| S16 0 | 1 | "6882364".pn. and interpolat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/08 09:33 |
| S16 1 | 9 | ("6900838" "6885402" "6882364" "6850277").pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/08 13:00 |

EAST Search History

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| S16 2 | 0 | turn\$4 near2 off near4 display same turn\$4 near2 on near5 backlight | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/08 13:02 |
| S16 3 | 0 | (switch\$4 or turn\$4) near2 off near4 display same (switch\$4 or turn\$4) near2 on near5 backlight | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/08 13:02 |
| S16 4 | 13618 | (switch\$4 or turn\$4) near2 off near4 display | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/08 13:02 |
| S16 5 | 0 | (switch\$4 or turn\$4) near2 off near4 display and (switch\$4 or turn\$4) near2 on near5 backlight | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/08 13:03 |
| S16 6 | 3 | (switch\$4 or turn\$4) near2 off near4 display and (((switch\$4 or turn\$4) near2 on) or switch\$4on) near5 backlight | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/08 13:05 |
| S16 7 | 5 | "6339447".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/08 13:04 |
| S16 8 | 9 | "6339447" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/08 13:04 |
| S16 9 | 3 | (((switch\$4 or turn\$4) near2 off) or switch\$4off) near4 display and (((switch\$4 or turn\$4) near2 on) or switch\$4on) near5 backlight | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/08 13:06 |
| S17 0 | 3 | (((switch\$4 or turn\$4) near2 off) or switch\$4off) near4 (display or lcd) and (((switch\$4 or turn\$4) near2 on) or switch\$4on) near5 backlight | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/08 13:16 |
| S17 1 | 25 | ("20020130830" "20020163524" "2 0020171617" "20030128281" "2004 0012556" "5115269" "5963254" "63 39447" "6452582" "6466196" "6480 226").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/08 13:15 |

EAST Search History

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|----------|------|---|---|----|-----|------------------|
| S17 2 | 75 | ((switch\$4 or turn\$4) near2 off) or switch\$4off) near4 (display or lcd) same (phtograph\$4 or captur\$4) same camera | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/08 13:17 |
| S17 3 | 0 | ((switch\$4 or turn\$4) near2 off) or switch\$4off) near4 (display or lcd) same (phtograph\$4 or captur\$4) same camera and backlight\$4 with illuminat\$4 with (object or target or person or scene) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/08 13:22 |
| S17 4 | 188 | 349/2.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/08 13:23 |
| S17 5 | 1844 | "349"/\$.ccls. and camera | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/08 13:23 |
| S17 6 | 71 | "349"/\$.ccls. and camera and ((switch\$4 or turn\$4) near2 off) or switch\$4off) near4 (display or lcd) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/08 13:26 |
| S17 7 | 260 | backlight with illuminat\$4 with (object or target or person or scene) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/08 13:27 |
| S17 8 | 97 | backlight with illuminat\$4 with (object or target or person or scene) and camera | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/08 13:27 |
| S17 9 | 126 | 348/272.ccls. | USPAT; USOCR | OR | OFF | 2005/12/08 13:49 |